



University of Tripoli
Faculty of Information Technology



Department of Software Engineering



CSS3 BASICS (3)

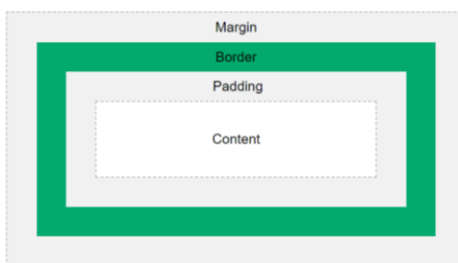
Introduction to Internet Programming
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By: Fatima Ben Lashihar

CSS3 BOX MODEL



- The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content.



Where:

Content - The content of the box, where text and images appear

Padding - Clears an area around the content.

Border - A border that goes around the padding and content

Margin - Clears an area outside the border.

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CSS3 PADDING



- Padding is used to create space around an element's content, inside of any defined borders.
- Padding properties can have the following values: specify it in **px** or **%** that specifies a padding of the width of the containing element.

```
div {
    padding: 25px 50px 75px 100px;
}
```

Where top padding is 25px, right padding is 50px, bottom padding is 75px and left padding is 100px

[3]

CSS Border - Shorthand Property



- The border property is a shorthand property for the following individual border properties:
 - border-width
 - border-style (**required**)
 - border-color

```
p {
    border: 5px solid red;
}
```

- Where The border-style property may one of the following values: **solid**, **dotted**, **dashed**, **none** or **hidden**.

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CSS3 MARGINS



- Margins are used to create space around elements, outside of any defined borders.
- margin properties can have the following values: **auto** or specify it in **px** or **%** that specifies a margin of the width of the containing element.

```
p {  
    margin: 25px 50px 75px 100px;  
}
```

Where top margin is 25px, right margin is 50px, bottom margin is 75px and left margin is 100px.

[5]

CSS BACKGROUND



- CSS provide several properties for styling the background of an element.
- **The background-color property** is used to set the background color of an element .

[6]

CSS3 TEXT



- Text Color ---- **color**
- CSS Text Alignment ---- **text-align**
- Text Direction --- **direction**
- CSS Text Decoration --- **decoration**
- CSS Text Transformation --- **text-transform**

```
h1 {
  color: blue;
  text-align: left | right | center | justify;
  direction: rtl | ltr;
  text-decoration: none | underline | line-through;
  text-transform: none | capitalize | uppercase | lowercase;
}
```

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CSS3 FONTS



- CSS font-family --- **font-family**
- CSS Font Style --- **font-style**
- CSS Font Weight --- **font-weight**
- CSS Font Size --- **font-size**

```
.p1 {
  font-family: "Times New Roman", Times, serif;
  font-style: normal | italic;
  font-weight: normal | bold;
  font-size: 40px;
}
```

- The default size for normal text, like paragraphs, is **16px** .

[8]

CSS3 LINKS



- The four links states are:
 - `a:link` - a normal, unvisited link
 - `a:visited` - a link the user has visited
 - `a:hover` - a link when the user mouses over it
 - `a:active` - a link the moment it is clicked
- **Note:** Arrange as this: `a:link`, `a:visited`, `a:hover` and `a:active`.
- All links in HTML are underlined by default. Sometimes you see that links are styled with no underline. The `text-decoration: none;` is used to remove the underline from links.

```
a:link {
    text-decoration: none;
}
```

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CSS3 list-style-type Property



```
list-style-type: disc | circle | square
                | decimal | lower-latin |
                | lower-roman | upper-latin
                | upper-roman | none;
```

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CSS3 TABLES PROPERTIES



- **border:** Sets all the border properties in one declaration
- **border-collapse:** Specifies whether or not table borders should be collapsed

```
table, th, td {
    border: 1px solid;
}
```

- Notice that the table in the examples above have double borders. This is because both the table and the <th> and <td> elements have separate borders. To remove double borders, take a look at the example below.

```
table, td, th {
    border: 1px solid;
}
table {
    border-collapse: collapse;
}
```

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DEMOS



CSS3 BASICS – DEMOS

https://www.w3schools.com/cssref/playdemo.asp?filename=playcss_vertical-align&preval=text-bottom

(12)

THE END

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